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ACCENTURE
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EXAMINER	
SHIN, KYUNG H	
ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/817,917	MATHUR ET AL.	
	Examiner	Art Unit	
	KYUNG H. SHIN	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *21 December 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *7, 9 - 14, 16 - 20, 25, 28, 29* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *7, 9 - 14, 16 - 20, 25, 28, 29* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *2/15/08*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. This action is responding to application papers dated 3/26/2001.Claims **7, 9 - 14, 16 - 20, 25, 28, 29** are pending. Independent claims are **7, 9, 16, 25, 28, 29**.

Response to Arguments

2. Applicant's arguments filed 12/21/2007 have been fully considered but they are moot in view of the new grounds of rejection.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claim 25 is rejected under 35 U.S.C. 101 because the claimed invention, "a computer-readable medium having stored thereon a data structure compising" as data structure, is directed to non-statutory subject matter. (MPER 2106.01 - **Nonfunctional** descriptive material)

Claim Rejections - 35 USC § 103

The text of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. **Claims 7 - 15, 21, 25 - 28** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Sheth et al.** (US Patent No. **6,311,194**) in view of **Slaughter et al.** (US Patent No. **6,970,869**).

Regarding Claim 7, Sheth discloses a method of associating contextual information with discrete components of data, the method comprising:

a) accessing at least one discrete component of data from at least one data source; (Sheth col 4, ll 63-64: access to digital media content (text, audio, video, animation), a discrete component; col 4, ll 57-59; col 8, ll 16-18: delivered via Internet; network communications connections for data transfers (locally, remotely, or Internet access); col 4, ll 59-62; col 5, ll 9-12; col 5, ll 15-17; col 8, ll 52-58: enhances domain or subject specific original content; enhance relevant information that may not be present in original source; enhanced content stored with media)

b) associating said at least one discrete component of data with at least one domain; (Sheth col 4, ll 59-62; col 8, ll 13-16: one or more groups, categories (i.e. domains, a sphere of interest), contextual information)

c) adding contextual information to said at least one discrete component of data to provide enhanced data, the contextual information being associated with the at least one domain and comprising attributes of the at least one discrete component of data relating to an intended use of at least one discrete component of data; (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 15, ll 18-30: contextual information (skin player background information) related to intended usage as a media player)

The intended usage of the enhanced content is as an audio media file and processing in a media player. The skin background information is the contextual

information added to the content to create enhanced data. The skin background information is directly related to the intended usage (use in a media player).

Sheth discloses wherein modifying the enhanced data to include data. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose the capability for receiving feedback data from a user of the data.

However, Slaughter discloses:

d) receiving feedback data from a user of the data; (Slaughter col 87, ll 49-53: feedback information: feedback data processing capability for managed content)

e) to include the feedback data. (Slaughter col 87, ll 49-53: feedback information: feedback data processing capability for managed content; there no disclosure of a "first instance" for feedback data; feedback data is received and processed as metadata and included in enhanced data)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to process feedback data as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 8, Sheth discloses the method of claim 1. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose real-time processing of content. However, Slaughter discloses

wherein the adding step is performed in real-time. (Slaughter col 87, ll 49-53: real-time content processing, content messaging performed in real-time)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to incorporate and perform steps for real-time content processing as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 9, Sheth discloses a method of delivering enhanced data through at least one digital identity comprising:

d) transmitting enhanced data from the enhanced content source to the requestor. (Sheth col 4, ll 57-59; col 8, ll 16-18: transfer enhanced content to user)

Sheth discloses wherein the enhanced data including contextual information added to at least one discrete component of data. (Sheth col 4, ll 63-64: discrete component of content; col 4, ll 59-62; col 5, ll 9-12: enhanced data) Sheth does not explicitly disclose a digital identity for the management of content.

However, Slaughter discloses:

a) receiving a request through at least one digital identity for enhanced data corresponding to an entity from a requestor; (Slaughter col 60, ll 22-28; col 60, ll 37-42: user identity, authentication (digital identity))

b) using a digital identity acting as a proxy for the entity to compare an identification of the requestor to access rights; (Slaughter col 60, ll 22-28; col 60, ll 37-42: requestor (i.e. requesting client), access controls checked; col 27, ll 20-21; col 73, ll 30-35: proxy, acting on behalf of service entity)

Slaughter has capability to act as proxy for client (Slaughter col 27, ll 20-21; col 74, ll 1-7; col 74, ll 15-19: proxy interface) and to act as proxy for service entity (Slaughter col 73, ll 30-35: proxy, acting on behalf of service entity).

c) transmitting from the digital identity to an enhanced content source an approval to release enhanced data; (Slaughter col 60, ll 22-28; col 60, ll 37-42: determine that requestor is authorized, data released)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to process request/response, and act as a proxy as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 10, Sheth discloses the method of claim 9, further including: an intended use of enhanced data. (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 15, ll 18-30: contextual information (skin player background information) related to intended usage as a media player)

The intended usage of the enhanced content is as an audio media file and processing in a media player. The skin background information is the contextual information added to

the content to create enhanced data. The skin background information is directly related to the intended usage (use in a media player).
Sheth does not explicitly disclose whereby comparing at the digital identity an intended use of the enhanced data to usage rules. However, Slaughter discloses wherein comparing at the digital identity an intended use of the enhanced data to usage rules. (Slaughter col 60, ll 22-28; col 60, ll 37-42: usage rules (i.e. based on user profile, digital identity), applied to content data, user identity, authentication (digital identity))

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to manage services available to client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 11, Sheth discloses the method of claim 9. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose the processing of available services by the content management system. However, Slaughter discloses the method of claim 9, wherein the digital identity is operated by a party other than the entity. (Slaughter col 38, ll 12-14; col 38, ll 48-52; col 38, ll 63-64: transactions between multiple entities completed; col 27, ll 20-21; col 74, ll 1-7; col 74, ll 15-19: proxy interface capabilities, (operated by another entity); col 73, ll 30-35: proxy, acting on behalf of service entity)

Slaughter has capability to act as proxy for client (Slaughter col 27, ll 20-21; col 74, ll 1-7; col 74, ll 15-19: proxy interface) and to act as proxy for service entity (Slaughter).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable proxy capabilities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 12, Sheth discloses the method of claim 9. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose whereby the digital identity is operated by the entity. However, Slaughter discloses wherein the digital identity is operated by the entity. (Slaughter col 60, ll 22-28; col 60, ll 37-42: user identity, authentication (digital identity); col 73, ll 30-35: proxy, acting on behalf of service entity))

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable proxy capabilities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 13, Sheth discloses the method of claim 9, further comprising enhanced content source. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management

system, enhanced data, intended use) Sheth does not explicitly disclose whereby the content source is operated by a party other than the entity. However, Slaughter discloses wherein the content source is operated by a party other than the entity. (Slaughter col 38, ll 12-14; col 38, ll 48-52; col 38, ll 63-64: transactions between multiple entities completed; col 73, ll 30-35: proxy, acting on behalf of service entity))

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable proxy capabilities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 14, Sheth discloses the method of claim 9, further including: the enhanced content source. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose the capability to process feedback rules. However, Slaughter discloses wherein transmitting feedback rules from the enhanced content source to the requestor. (Slaughter col 87, ll 49-53: feedback information, incentive movie review read by other, can influence other in movie going public; col 12, ll 2-5; col 50, ll 63-66; col 57, ll 46-51: messaging; there no disclosure of a "first instance" for feedback data; feedback data is received processed as metadata and included in enhanced data)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to process feedback data as taught by Slaughter.

One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 15, Sheth discloses the method of claim 14. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose whereby feedback rules comprise an incentive for the requestor to provide feedback. However, Slaughter discloses wherein the feedback rules comprise an incentive for the requestor to provide feedback. (Slaughter col 87, ll 49-53: feedback information, incentive movie review read by other, can influence other in movie going public; col 12, ll 2-5; col 50, ll 63-66; col 57, ll 46-51: messaging)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to provide feedback data as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 21, Sheth discloses a computer-readable medium having stored thereon a data structure comprising:

a) at least one discrete component of data from at least one data source; (Sheth col 4, ll 63-64: access to a media content, a discrete component ; col 4, ll 57-50; col

8, ll 16-18: network connections for data transfers; col 4, ll 54-57; col 17, ll 6-9; col 17, ll 14-17: software implementation, instructions)

b) first contextual information comprising attributes of the at least one discrete component relating to another intended use of the at least one discrete component of data, wherein the first contextual information is associated with a first domain; (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 15, ll 18-30: contextual information (skin player background information) related to intended usage as a media player)

c) second contextual information comprising attributes of the at least one discrete component relating to another intended use of the at least one discrete component of data, wherein the second contextual information associated with a second domain different from the first domain; (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 15, ll 18-30: contextual information (skin player background information) related to intended usage as a media player)
The intended usage of the enhanced content is as an audio media file and processing in a media player. The skin background information is the contextual information added to the content to create enhanced data. The skin background information is directly related to the intended usage (use in a media player).

Regarding Claim 25, Sheth discloses the computer-readable medium of claim 21. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data,

intended use; col 4, ll 54-57; col 17, ll 6-9; col 17, ll 14-17: software implementation, instructions)

a) at least one discrete component of data from at least one data source; (Sheth col 4, ll 63-64: access to a media content, a discrete component; col 4, ll 57-59; col 8, ll 16-18: network connections for data transfers (Internet access); col 4, ll 59-62; col 5, ll 9-12; col 5, ll 15-17; col 8, ll 52-58: enhanced content stored with media)

b) first contextual information comprising attributes of the at least one discrete component relating to an use of the at least one discrete component of data, wherein the first contextual information is associated with a first domain;; (Sheth col 4, ll 59-62; col 8, ll 13-16: one or more groups, categories (i.e. domains, a sphere of interest), contextual information)

c) second contextual information comprising attributes of the at least one discrete component relating to another intended use of the at least one discrete component of data, wherein the second contextual information is associated with a second domain different from the first domain; and; (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 15, ll 18-30: contextual information (skin player background information) related to intended usage as a media player)
The intended usage of the enhanced content is as an audio media file and processing in a media player. The skin background information is the contextual information added to the content to create enhanced data. The skin background information is directly related to the intended usage (use in a media player).

Sheth discloses a data field. (Sheth col 17, ll 6-9; col 17, ll 14-17: software; program modules and data structures) Sheth does not explicitly disclose feedback rules. However, Slaughter discloses:

d) defining feedback rules. (Slaughter col 87, ll 49-53: feedback information, incentive movie review read by other, can influence other in movie going public; col 12, ll 2-5; col 50, ll 63-66; col 57, ll 46-51: messaging)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to manage services available to client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claims 26, Sheth discloses a computer-readable medium of claim 21 and a data field. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use; col 17, ll 6-9; col 17, ll 14-17: software; program modules and data structures) Sheth does not explicitly disclose whereby including defining usage and access rules. However, Slaughter discloses wherein including defining usage and access rules. (Slaughter col 60, ll 22-28; col 60, ll 37-42: authentication credential, data structure containing usage and access rights for service (enhanced data access))

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable access rights for an entity as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in

order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 27, Sheth discloses a computer-readable medium having computer-executable instructions for performing the steps:

a) accessing at least one discrete component of data from at least one data source; (Sheth col 4, ll 63-64: access to a media content item (i.e. a singular discrete component); col 4, ll 57-59; col 8, ll 16-18: network connections for data transfers; col 4, ll 54-57; col 17, ll 6-9; col 17, ll 14-17: software implementation, instructions)

b) associating said at least one discrete component of data with at least one domain; (Sheth col 4, ll 59-62; col 9, ll 38-41: one or more groups, categories (i.e. domains, a sphere of interest), contextual information)

c) adding contextual information to said at least one discrete component of data to provide enhanced data, the contextual information being associated with the at least one domain and comprising attributes of the at least one discrete component of data relating to an intended use of at least one discrete component of data; (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 15, ll 18-30: contextual information (skin player background information) related to intended usage as a media player)

The intended usage of the enhanced content is as an audio media file and processing in a media player. The skin background information is the contextual

information added to the content to create enhanced data. The skin background information is directly related to the intended usage (use in a media player).

Regarding Claim 28, Sheth discloses the capability to process enhanced content data comprising:

d) transmitting enhanced data from the enhanced content source to the requestor. (Sheth col 4, ll 59-62; col 5, ll 9-12: enhanced data; col 4, ll 57-59; col 8, ll 16-18: network connections to users)

Sheth disclose wherein receiving a request for enhanced data, the enhanced data including contextual information added to at least one discrete component of data. (Sheth col 18, ll 31-32: request for enhanced data; col 4, ll 54-57; col 17, ll 6-9; col 17, ll 14-17: software implementation, instructions) Sheth does not explicitly disclose whereby a digital identity, and a proxy capability.

However, Slaughter discloses:

a) receiving a request through at least one digital identity for data corresponding to an entity from a requestor; (Slaughter col 60, ll 22-28; col 60, ll 37-42: user identity, authentication)

b) using a digital identity acting as a proxy for the entity to compare an identification of the requestor to access rights; (Slaughter col 27, ll 20-21; col 74, ll 1-7; col 74, ll 15-19: proxy interface capabilities; col 60, ll 22-28; col 60, ll 37-42: user identity authentication (digital identity))

c) transmitting from the digital identity to an enhanced content source an approval to release adding domain specific contextual information to said at least one discrete component of data to enhanced data; (Slaughter col 60, ll 22-28; col 60, ll 37-42: authentication enables access to enhanced content)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable a digital identity, and a proxy capability as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

5. **Claims 16 - 20, 29** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Sheth-Slaughter** and further in view **Rahman et al.** (US Patent No. **7,042,851**).

Regarding Claim 16, Sheth discloses a method for content management system utilizing enhanced data. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use)

Sheth does not explicitly disclose whereby obtaining information about services that may be of interest to a user.

However, Slaughter discloses wherein a method of obtaining information about services that may be of interest to a user:

a) discovering at least one service offered by at least one entity connected to at least one computer network; (Slaughter col 8, ll 26-32: discover available services)

b) receiving content from said at least one entity that includes terms of said at least one service; (Slaughter col 8, ll 37-39: receive terms for available services)

c) filtering the content to determine whether the content satisfies at least one predetermined rule (Slaughter col 37, ll 9-14: content filtering (i.e. predetermined rules) utilized)

d) generating at least one decision parameter based on profile and preference information; (Slaughter col 3, ll 4-8: decision parameter: user profile usage for content manipulation)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable available services management for client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to enable a scaleable distributed computing mechanism for security, process migration between network nodes within a network environment. (Slaughter col 5, l 67 - col 6, l 5)

Sheth-Slaughter does not explicitly disclose whether the terms of at least one service are acceptable based on at least one decision parameter.

However, Rahman discloses:

e) determining whether the terms of said at least one service are acceptable based on at least one decision parameter. (Rahman col 4, ll 43-51: comparing the

request with network information and user information, providing request service based on comparison, associating two parameters (negotiate service terms); col 5, ll 1-17: user information and service information; col 10, ll 53-56: compares service information to determine whether user's desired modification to his service can be negotiated)

It would have been obvious to one of ordinary skill in the art to modify Sheth-Slaughter to negotiate services as taught by Rahman. One of ordinary skill in the art would have been motivated to employ the teachings of Rahman in order for services to be created and/or negotiated by the user without requiring separate excessive processing of each type of service to be created or negotiated. (Rahman col 6, ll 13-17: "*... Thus, the present inventors recognized a need to improve the processing of service configuration and negotiation so that services can be created and/or negotiated by the user without requiring separate excessive processing of each type of service to be created or negotiated. ...* ")

Regarding Claim 17, Sheth discloses the method of claim 16. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose the processing of available services. However, Slaughter discloses wherein the discovering step is performed dynamically. (Slaughter col 8, ll 26-32: discover available services)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable discovery and processing of available

services management for client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to enable a scaleable distributed computing mechanism for security, process migration between network nodes within a network environment. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 18, Sheth discloses the method of claim 16. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use) Sheth does not explicitly disclose processing of available services by the content management system. However, Rahman discloses wherein further including: negotiating with the at least one entity. (Rahman col 4, ll 43-51: comparing the request with network information and user information, providing request service based on comparison, associating two parameters (negotiate service terms); col 5, ll 1-17: user information and service information; col 10, ll 53-56: compares service information to determine whether user's desired modification to his service can be negotiated)

It would have been obvious to one of ordinary skill in the art to modify Sheth to negotiate services as taught by Rahman. One of ordinary skill in the art would have been motivated to employ the teachings of Rahman in order for services to be created and/or negotiated by the user without requiring separate excessive processing of each type of service to be created or negotiated. (Rahman col 6, ll 13-17)

Regarding Claim 19, Sheth discloses the method of claim 16, further comprising providing data to al least one entity. (Sheth col 4, ll 54-64; col 5, ll 9-12: content

management system, enhanced data, intended use) Sheth does not explicitly disclose providing financial data to complete a transaction. However, Slaughter discloses wherein providing financial information to the at least one entity to complete a transaction. (Slaughter col 87, ll 49-53: real-time content management system; col 55, ll 2-5; col 38, ll 12-14; col 38, ll 48-52; col 38, ll 63-64: financial information (payroll information), transaction processing)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to manage services available to client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 20, Sheth discloses a content management system utilizing enhanced content. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use)

Sheth does not explicitly disclose whereby monitoring a transaction and updating personal information after the transaction.

However, Slaughter discloses:

a) monitoring a transaction involving the at least one service; (Slaughter col 87, ll 49-53: real-time content management system; col 55, ll 2-5; col 38, ll 12-14; col 38, ll 48-52; col 38, ll 63-64: financial information (payroll information),

transaction processing; col 12, ll 2-5; col 50, ll 63-66; col 57, ll 46-51: messaging; col 26, ll 56-62: monitoring)

b) modifying the profile and preference information as a result of the monitoring step. (Slaughter col 87, ll 49-53: real-time content management system; col 55, ll 2-5; col 38, ll 12-14; col 38, ll 48-52; col 38, ll 63-64: financial information (payroll information), transaction processing, col 12, ll 2-5; col 50, ll 63-66; col 57, ll 46-51: messaging; col 26, ll 56-62: monitoring; col 81, ll 37-44: data modification)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to manage services available to client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to utilized automated and dynamic communications and services, complex purchase mechanisms. (Slaughter col 5, l 67 - col 6, l 5)

Regarding Claim 29, Sheth discloses a computer-readable medium having computer-executable instructions for performing the steps comprising:

Sheth discloses wherein a content management system. (Sheth col 4, ll 54-64; col 5, ll 9-12: content management system, enhanced data, intended use; col 4, ll 57-59; col 17, ll 6-9; col 17, ll 14-17: software implementation, instructions)

Sheth does not explicitly disclose available services management.
However, Slaughter discloses:

a) discovering at least one service offered by at least one entity connected to at least one computer network; (Slaughter col 8, ll 26-32: available services processing)

b) receiving content from said at least one entity that includes terms of said at least one service; (Slaughter col 8, ll 37-39: determine terms for available services)

c) filtering the content to determine whether the content satisfies at least one predetermined rule (Slaughter col 37, ll 9-14: content filtering utilized)

d) generating at least one decision parameter based on profile and preference information; (Slaughter col 3, ll 4-8: decision parameter: user profile usage for content manipulation)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sheth to enable available services management for client-server entities as taught by Slaughter. One of ordinary skill in the art would be motivated to employ Slaughter in order to enable a scaleable distributed computing mechanism for security, process migration between network nodes within a network environment. (Slaughter col 5, l 67 - col 6, l 5)

Sheth-Slaughter does not explicitly disclose whether the terms of at least one service are acceptable based on at least one decision parameter.

However, Rahman discloses:

e) determining whether the terms of said at least one service are acceptable based on at least one decision parameter. (Rahman col 4, ll 43-51: comparing the request with network information and user information, providing request service based on comparison, associating two parameters (negotiate service terms); col 5, ll 1-17: user information and service information; col 10, ll 53-56: compares

service information to determine whether user's desired modification to his service can be negotiated)

It would have been obvious to one of ordinary skill in the art to modify Sheth-Slaughter to negotiate services as taught by Rahman. One of ordinary skill in the art would have been motivated to employ the teachings of Rahman in order for services to be created and/or negotiated by the user without requiring separate excessive processing of each type of service to be created or negotiated. (Rahman col 6, ll 13-17)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KYUNG H. SHIN whose telephone number is (571)272-3920. The examiner can normally be reached on 9:30 am - 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. FLYNN can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Kyung Hye Shin
Examiner
Art Unit 2143

KHS
March 16, 2008

/Nathan J. Flynn/

Supervisory Patent Examiner, Art Unit 2154